



Review on  
Antimicrobial  
Resistance

*Tackling drug-resistant infections globally*

# The Global Impact of Antimicrobial Resistance

By William Hall



@ReviewonAMR

**wellcome**trust



HM Government

# What is the Review on AMR?

- **Assessing the economic cost of AMR**
- **Recommending solutions to governments**
- **Alongside others, building an international consensus for action**



Jim O'Neill, Review Chair



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Cost of AMR now

Projected cost

Solutions

Next steps

# Current cost of AMR

A lack of high quality global surveillance data means the exact impact of AMR is not as well understood as it should be.

However the information we do have from the US Centre for Disease Control, European Union, and others, paint a very worrying picture.

# Financial and Human Cost

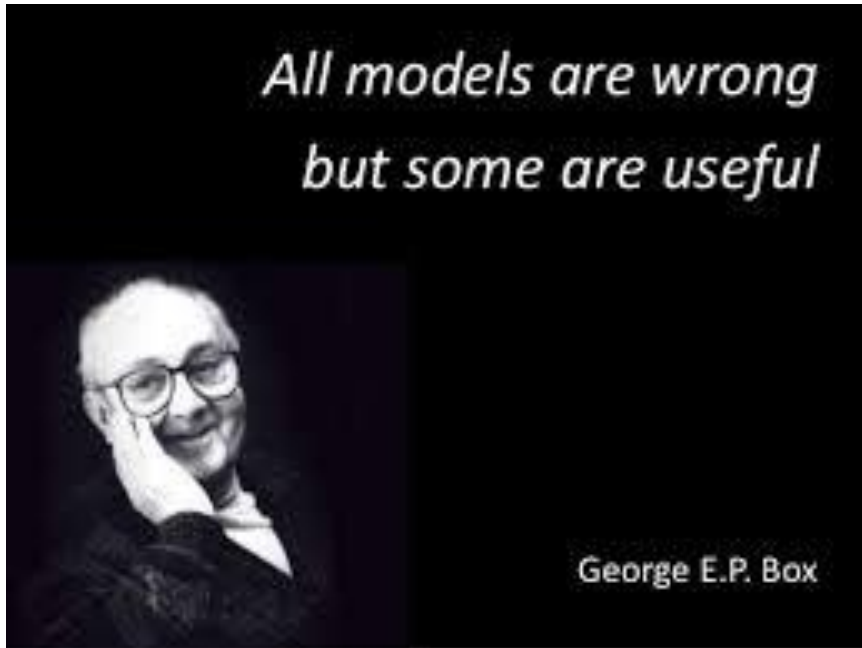
- 23,000 people die annually in the US already
- 700,000 people die worldwide
- Both of these are conservative estimates
- Estimated to cost the US health care system 20 billion USD a year



# Projected future cost

Our projected cost of AMR is based on research that we commissioned from RAND and KPMG

# Economic cost of resistance



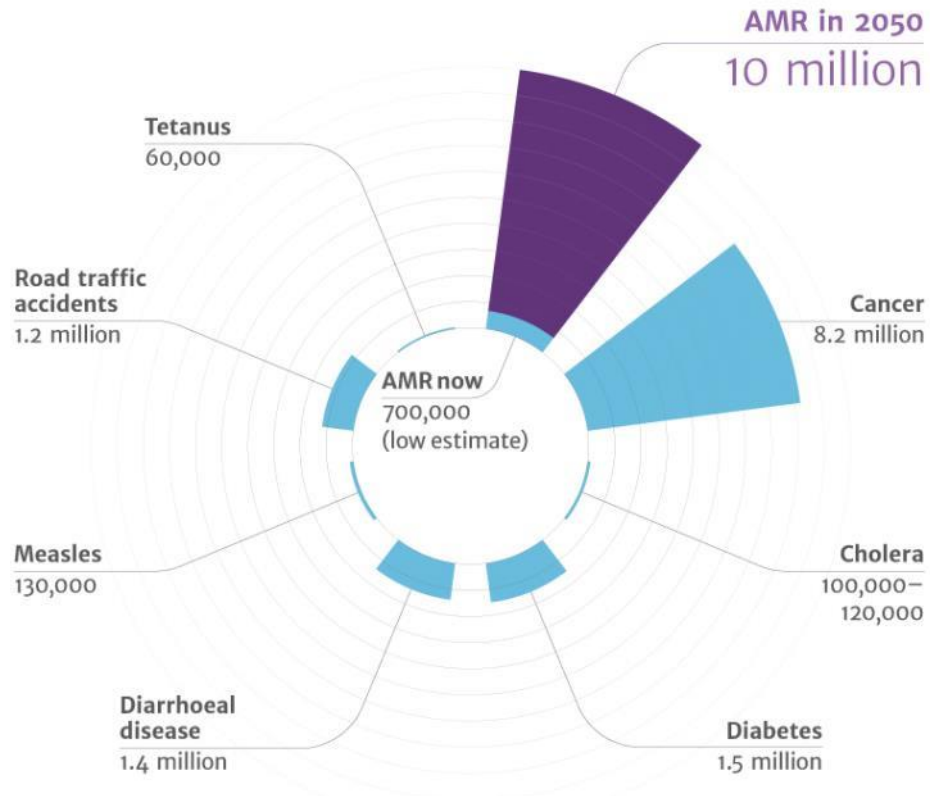
## KPMG

- Resistance rates will rise to 40%
- Hospital acquired infection rates to double

## RAND

- Resistance rates rise to 100% in 10 years

# How AMR compares to other causes of death



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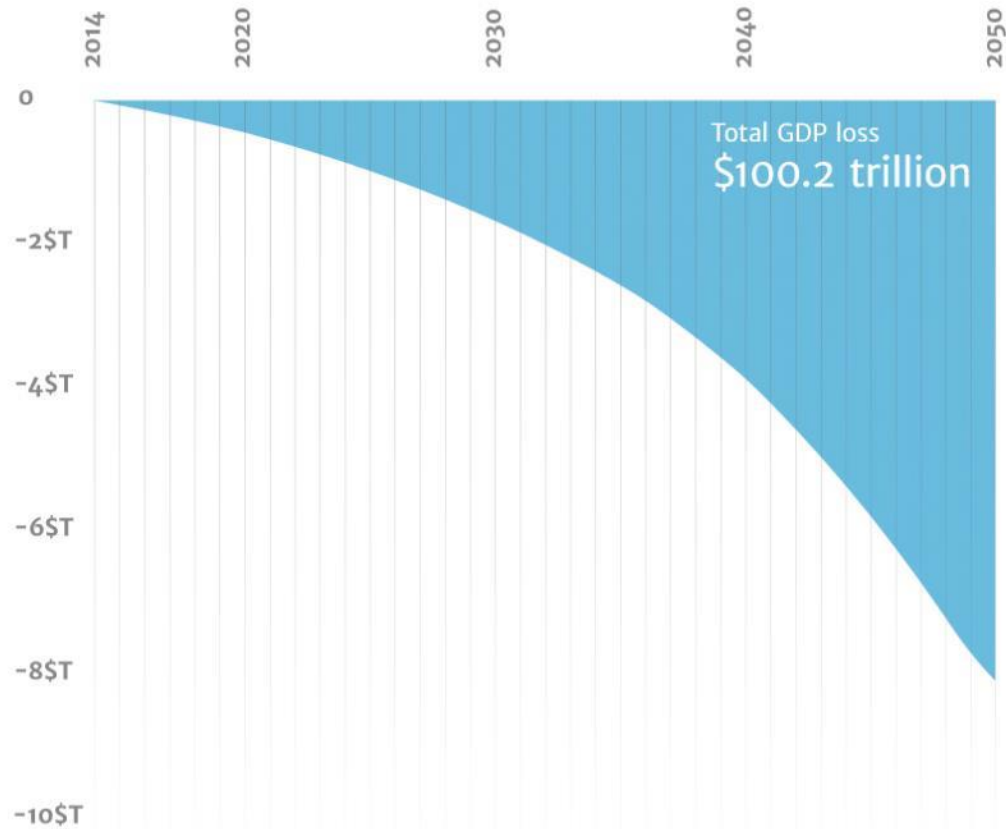
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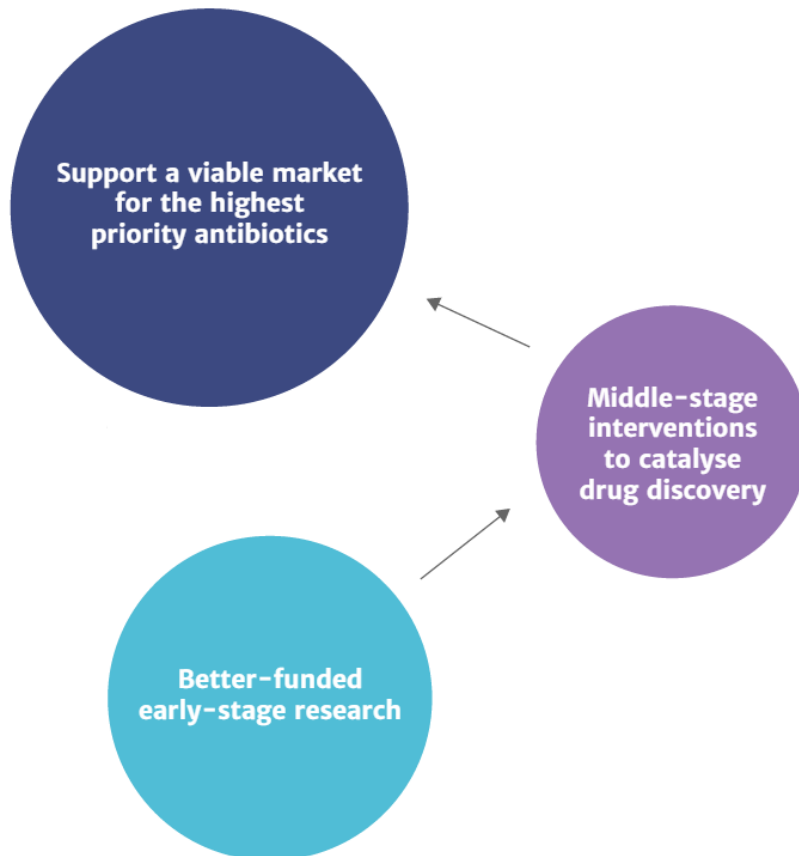
Next Steps

# Economic cost





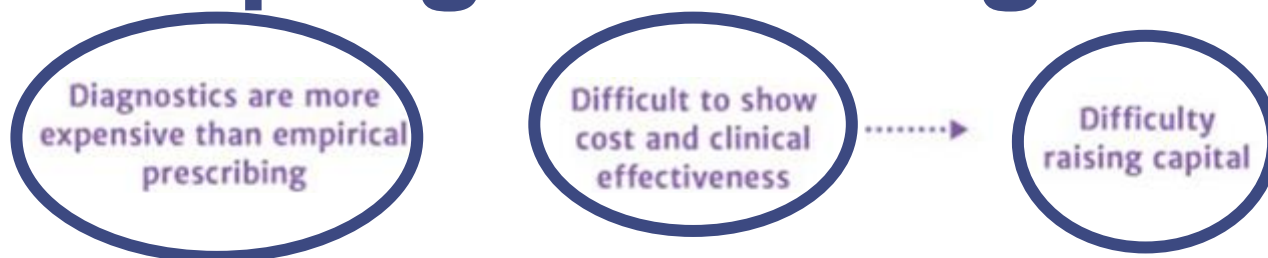
# Our solutions to find new antibiotics



- Fund early stage research
- Market entry rewards
- Harmonise regulation, facilitate public trials and reduce duplication



# Developing New Diagnostics



# Agriculture and the Environment



- Global target to reduce antibiotic use in food production
- Minimum standards to reduce the amount of active ingredients reaching the environment in production
- Improvement in global surveillance

# Next steps for Review


## 1. Vaccines and alternatives – mid February



## 2. Health infrastructure – March



## 3. Final report – May



If you are interested to know more please see our reports at  
[AMR-Review.org](http://AMR-Review.org), where you will also be able to sign up to be on  
our mailing list

Or e-mail me on [Will.Hall@amr-review.org](mailto:Will.Hall@amr-review.org)